ZINWELL®

Real Scan

PV-310 series

User Manual

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Chapter 1 Introduction

Thanks for your purchase of Zinwell Real Scan. With Real Scan, you can turn your existing standard video to a high quality on your display devices. The system set up is very easy and there is no additional requirement for hardware or software. You don't need to learn a complicated set up procedure and you can enjoy your Real Scan with just plug and play.

1.1 Important Notices

Please use the Real Scan under a normal environment

1. Try to avoid the following circumstances.
   - Heat or direct sunlight places
   - Location with huge magnetic field
   - Unstable or vibrational places
   - Exposure to rain or moisture places
2. For the unauthorized person, please don't service this product ; otherwise the damage caused by unauthorized servicing is not covered by warranty.
3. Unplug this product from AC outlet and remove batteries from IR control, when this product is left unused for a long time.

1.2 Product Functions

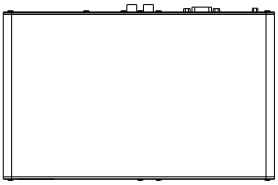
- With the advanced video processing technology to improve video quality.
- Double scan conversion (15.75 KHz to 31.5 KHz) and 3:2 pull down technology.
- Full screen, true color display.
- Easy operation - With one button to switch signals coming from composite VIDEO, S-VIDEO.
- On screen display operation with IR remote controller.

1.3 Package Contents

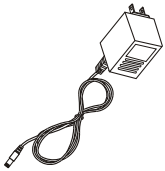
As you unpack the Real Scan, please make sure the following items were included. If any of these items are missing, call your local agencies.

1. Real Scan x1
2. Power supply x1
3.Video cable.....x1
4.S-video cable.....x1
5.VGA cable.....x1
6. AAA batteries x2
7. IR control.....x1
8. User manual.....x1

1. Real Scan



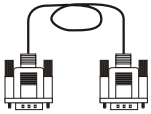
2. Power supply



3. Video cable

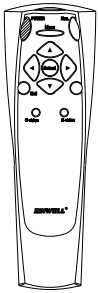
4.S-video cable

5. VGA cable

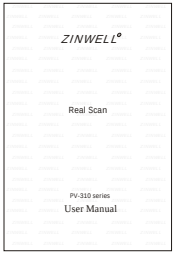


6. AAA batteries x2

7. IR control



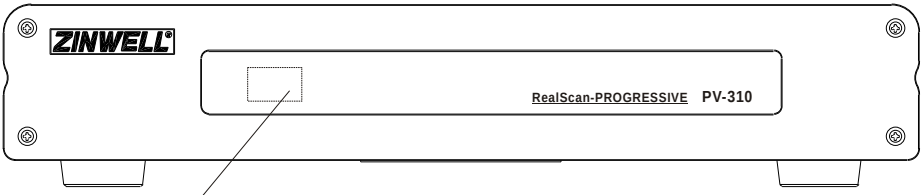
8. User manual



Chapter 2 Installation

2.1 Product Outward

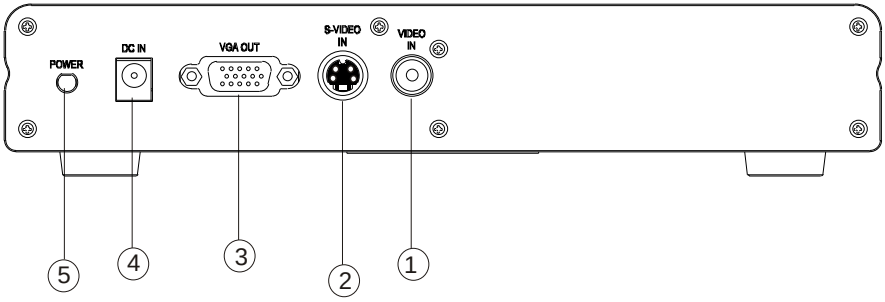
2.1.1 Front view of Real Scan



Power indicator and IR receiver

Using blue LED to indicate the status of power and IR receiver

2.1.2 Rear view of Real Scan



① **VIDEO INPUT**

Please connect the external video from VCR, LD, V8 or video game to the VIDEO INPUT of box.

② **S-VIDEO INPUT**

If the external video is s-video, please connect to the S-VIDEO INPUT of box.

③ **VGA OUTPUT**

Please use the VGA OUTPUT to your progressively scanned TV or projector.

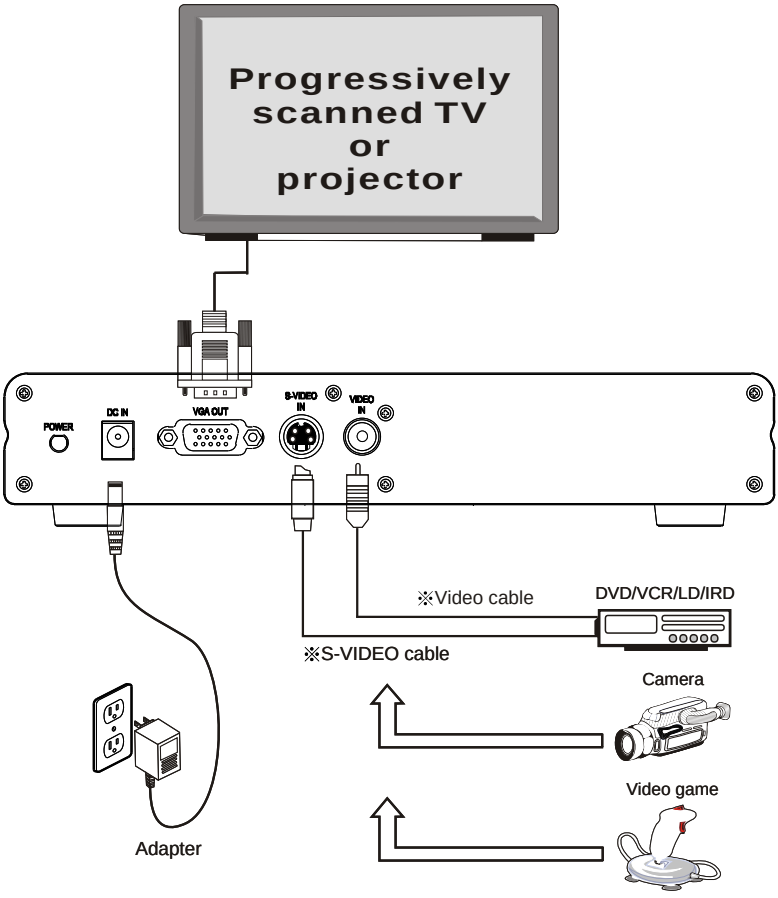
④ **DC IN**

Please connect to your 12V power supply.

⑤ **POWER**

Switch between power-on and power-off.

2.2 **System Installation :**



! Please turn off the power of all devices before connection.

Chapter 3 Operation Instruction

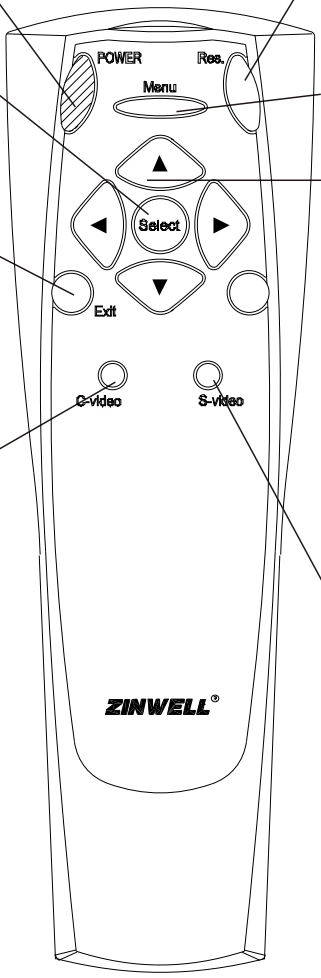
3.1 Initial Setting

When you finished the connections of Real Scan, because all the function settings are in the IR control, please refer to the following instructions of IR control and start the system setting.

Steps:

1. Please install 2 AAA batteries into IR control.
2. Please refer to p6 for your configuration.
3. Turn on the power.
4. Press the "C-Video" or "S-Video" button to select signal source.

3.2 IR Control



① **POWER**
Switch between power-on

② **Select**
Select the currently highlighted menu item

③ **Exit**
Exit the current menu selection and return to the parent menu. Press this key repeatedly to close all menus.

④ **C-video**
Composite Video select.

⑤ **S-video**
S-Video select

⑥ ⬅ ➡
Adjust the selected item on menu or adjust the volume

⬆ ⬇
Press to select desired item on the menu or select

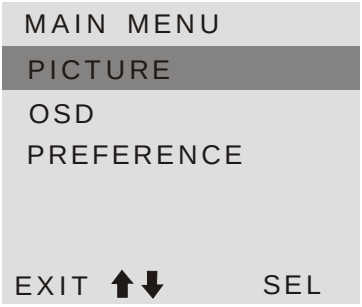
⑦ **Menu**
Display the main menu

⑧ **Res.**
Select resolution of 1024x768, 800x600 and 640x480.

3.3 Advanced Setting

3.3.1 **MAIN MENU**

The **MAIN MENU** shown below displays when you press "Menu" button. Press "↑" or "↓" button to select one of them below and press "Select" button to enter Sub-Menu.



3.3.2 **PICTURE setting**

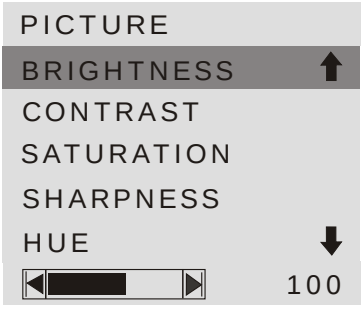
PICTURE Sub-Menu provides **BRIGHTNESS, CONTRAST, SATURATION, SHARPNESS, HUE** adjustment modes and **RESET**.

① To select **BRIGHTNESS, CONTRAST, SATURATION, SHARPNESS** or **HUE**, press "↑" or "↓" button.

② To adjust selected item, press "←" or "→" button.

③ When you are finished making all picture adjustments, press "Exit" button back to main menu.

④ Select **RESET** to return adjustments back to factory settings.



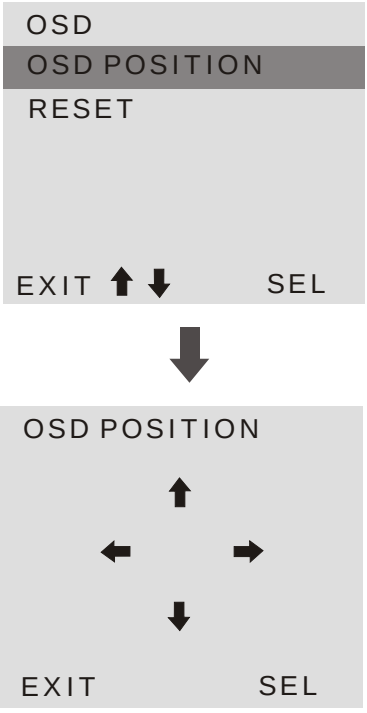
3.3.3 **OSD setting**

OSD Sub-Menu provides **OSD POSITION** selected mode and **RESET**.

① To enter **OSD POSITION**, press "Select" button in **OSD**. Using " ↑ ", " ↓ " or " ← ", " → " button to adjust **OSD** menu to where you want on the screen.

② When you are finished making **OSD POSITION** adjustment, press "Exit" button back to main menu.

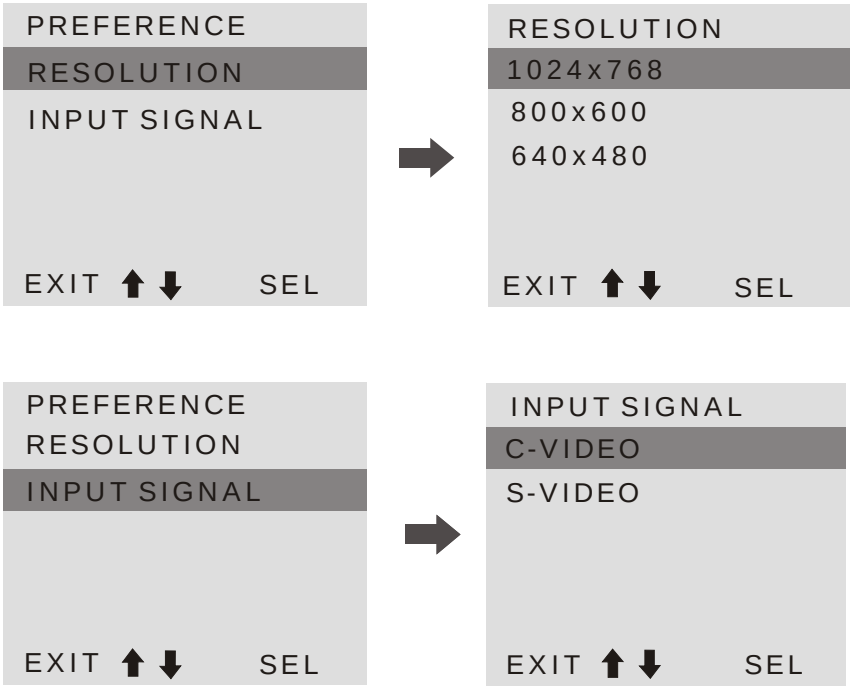
③ Select **RESET** to return adjustments back to factory settings.



3.3.4 **PREFERENCE setting**

PREFERENCE Sub-Menu provides **RESOLUTION and INPUT SIGNAL** modes.

① To select **RESOLUTION** or **INPUT SIGNAL** , press " ▲" or" ▼" button.
② To enter **"1024 x 768", "800 x 600"** or **"640 x 480"**, press "Select" button in **RESOLUTION**. Press " ▲" or " ▼" button to select one of them, then press "Select" button to confirm setting and return to Sub-Menu simultaneously.
③ To enter **C-VIDEO** or **S-VIDEO** , press "Select" button in **INPUT SIGNAL**, press " ▲ " or " ▼ " button to select one of them, and press"Select" button to confirm setting and return to Sub-Menu simultaneously.
④ When you are finished making all selections, press "Exit" button back to main menu.



※ RECOMMENDED RESOLUTION
The "1024x768", "800x600", "640x480" for NTSC
The "1024x768", "800x600" for PAL

Chapter 4 Other Information

4.1 Troubleshooting

Symptom	Solution
No picture on display	● Make sure the power cord is connected to an AC outlet, DC plug is connected to DC IN port and the power LED is on. ● Make sure the display's power is on. ● Check the connection of your source signal. ● To reset the Real Scan, unplug the DC IN adapter from the unit and then plug it back in again.
Video is distorted	● Check all of the connection.
The remote control can't control the Real Scan.	● Make sure batteries are installed. ● Check remaining battery life.

※ If you still have difficulties that you can't resolve using the tips described above, please unplug and plug in the AC cord to reset your Real Scan. Otherwise, please call your local agency for servicing.

4.2 Specifications

POWER	12VDC 1.2A OUTPUT
VIDEO INPUT	Composite video RCA connector
S-VIDEO INPUT	S-Video 4-pin mini DIN
VGA OUT	D-Sub 15 pin Female connector
Power Consumption	15W Typical
Operating Temperature	5℃ ~ 45℃
Operating Humidity	5% ~ 80%
Dimensions	230 x 140 x 40 mm
Weight	1080g
IR Control	31 Buttons (AAA batteries x2)

Headquarters : 7F, 512, Yuan Shan Rd., Chung Ho City, Taipei Hsien 235, Taiwan
Tel: 886-2-2225-1929 Fax: 886-2-2225-1447 e-mail: zinwell@zinwell.com.tw http://www.zinwell.com.tw
Hsinchu Plants (Sat-Comm & Satellite TV Product Sales) : 2, Wen Hua Rd., Hsin Chu Industrial Park, Hsin Chu Hsien 303, Taiwan
Tel: 886-3-597-9050 Fax: 886-3-597-8857 e-mail: sales@zintech.com.tw

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